

PRODUCT-DETAILS

# DS201 M C25 F30

## DS201 M C25 F30 Residual Current Circuit Breaker with Overcurrent Protection



### Informations générales

Extension du type de produit	DS201 M C25 F30
Code de produit	2CSR275580R1254
EAN	8012542593119
Description courte	DS201 M C25 F30 Residual Current Circuit Breaker with Overcurrent Protection
Description longue	The DS201 series is a 1P+N RCBO in two-modules width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating and direct pulsating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). The F type is covering APR features with a resistance to unwanted trippings and in addition it is able to detect high frequency currents up to 1 kHz. Specifically suitable for the protection of lines supplying single phase inverters.

### Technique

Normes et standards	IEC/EN 61009-1, IEC/EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	F type
Tension nominale ( $U_n$ )	230 V
Tension	230 / 240 V AC
Tension assignée d'isolement ( $U_i$ )	500 V

Test Voltage (Ut)	170 ... 264 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 kV
Type de tension	AC
Courant nominal ( $I_n$ )	25 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	15 kA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	EN 61009-1 6000 A IEC 61009-1 6000 A
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	15 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	11.2 kA
Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ )	10 kA
Maximum Surge Current	0 kA
Leakage Current Type	F
Fréquence (f)	50/60 Hz
Fréquence assignée (f)	50 ... 60 Hz
Power Loss	Average per Pole 4,1 W Phase Pole 5,5 W Neutral Pole 2,6 W Total 8,1 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Nombre de pôles	2
Number of Protected Poles	1
Number of Modular Spacings per DIN Rail	2
Fault Indication	Blue flag on toggle
Operating Characteristic	Instantaneous (APR High Immunity)
Catégorie de Surtension	III
Position of Neutral Terminals	Right
Couple de serrage	2.8 N·m
Type d'accessoire	Auxiliary contact, Signal contact / auxiliary contact, Shunt trip, Auxiliary contact for bottom fitting, Overvoltage release, Motor operating device

Actuator Type	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Earthing Switch Type	Undelayed
Type d'enveloppe	Insulation group I - II, RAL 7035
Type de montage	DIN-Rail
Type de libération	C
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Type d'encastrement	Any
Accessories Available	Oui
Nombre de batteries	0
Cable Size	25 mm <sup>2</sup>
Connecting Capacity	Busbar 10 ... 10 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup> Flexible 0.75 ... 16 mm <sup>2</sup>
Section nominale	1 - Solid-Core 0.75-25 mm <sup>2</sup> 4 - Multi-Wired 0.75-16 mm <sup>2</sup>
Wire Stripping Length	12 mm
Type de borne	Screw Terminals

## Environnement

Température extérieure	-25...55 °C
Température de l'air ambiant	Operation -25...55 °C
Reference Ambient Air Temperature	30 °C
Indice de protection	Terminals IP20 Housing IP40
Degré de pollution	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	0.1 mm or 1 g - 20 cycles at 5...150...5 Hz
Résistance aux chocs selon CEI 60068-2-27	25g 2 shocks 13 ms
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Informations RoHS	9AKK106713A5588
REACH Declaration	9AKK108467A9482
Informations environnementales	2CSC422002K2701
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	2
Produit Largeur Net	0.035 m
Produit Hauteur Net	0.085 m

Produit Longueur Net	0.069 m
Poids net	0.200 kg
Profondeur d'encastrement (t <sub>2</sub> )	69 mm

## Commande

Quantité minimum	1 pièce
Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	225 g

## Certificats et Déclarations (Numéro de document)

CB Certificate	9AKK107492A6063
Déclaration de Conformité - CE	9AKK106713A5588
Certificat GOST	9AKK107992A1640
IMQ Certificate	9AKK107492A6074
ÖVE Certificate	9AKK107492A6086
VDE Certificate	9AKK107492A6094

## Installation

Instructions et manuels	9AKK107492A6006
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## Popular Downloads

Fiche produit, informations techniques	9AKK107492A6187
EPLAN Macro	9AKK107680A0597

## Classifications

ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage circuit breaker
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
DEEE B2C / B2B	Business To Consumer
CN8	85363030
eClass	V11.0 : 27142207
Code de classification d'objet	F

## Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200970R0031	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Protection différentielle → Disjoncteurs différentiels

